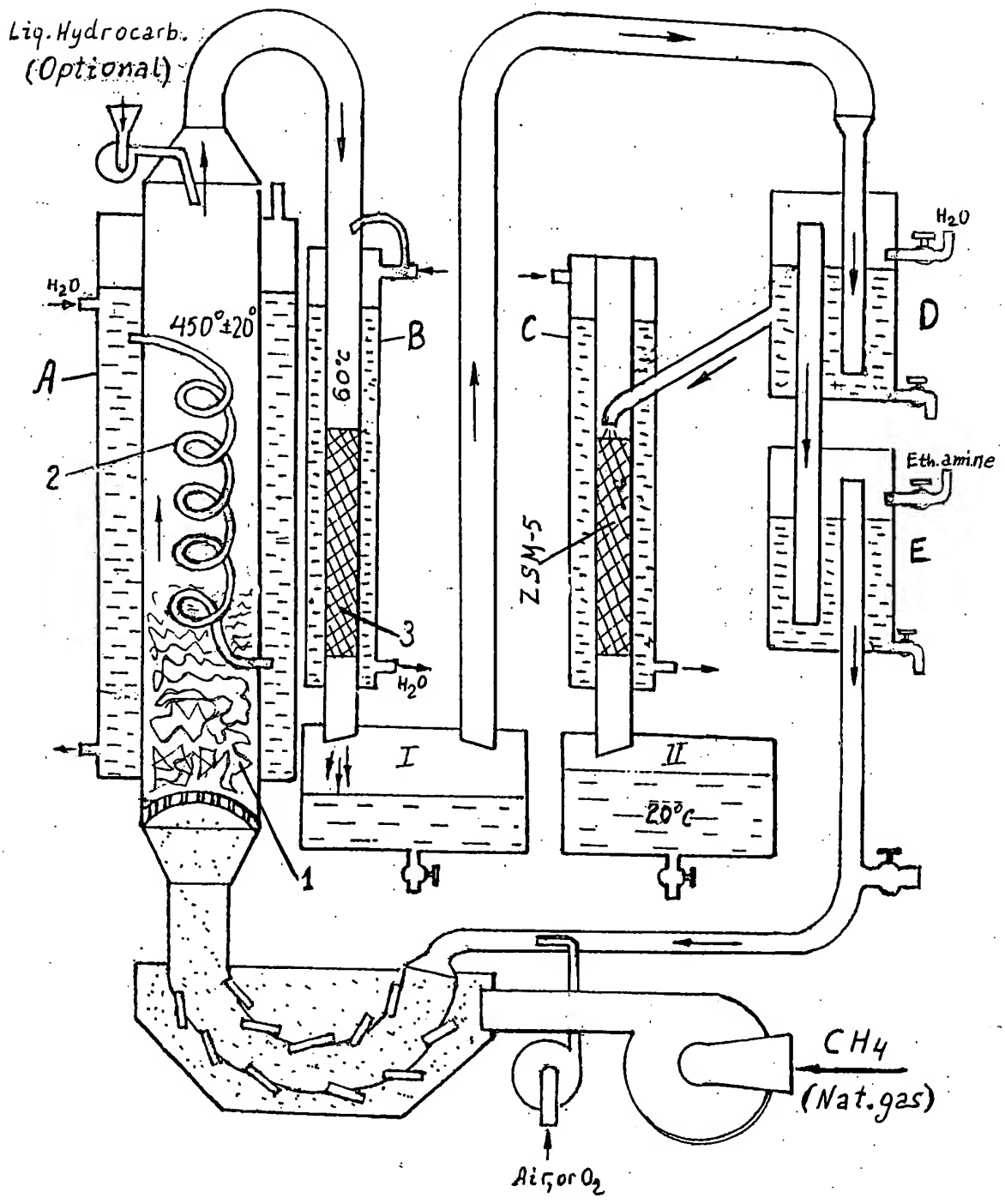

Liq. Hydrocarb.
(Optional)
H_2O
450°±20°
A
2
B
60°c
3
H_2O
C
ZSM-5
H_2O
D
Eth. amine
E
I
II
20°C
1
CH_4
(Nat. gas)
Air, or O_2

Fig. 1(a)

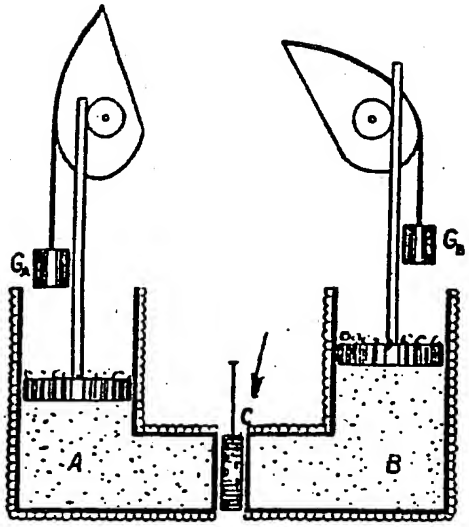


FIG 1(b)

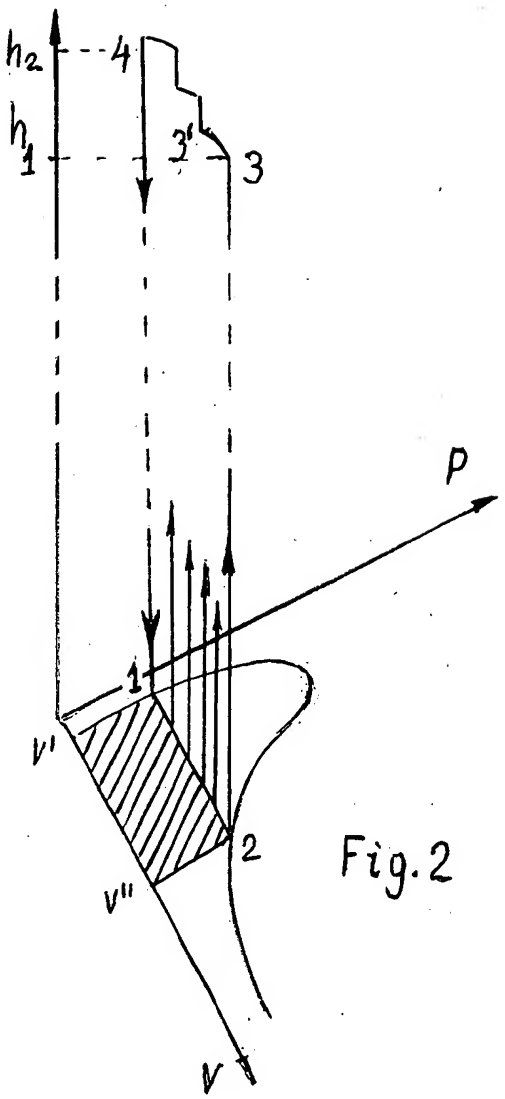


Fig. 2

$\overline{P} = f(t)$

Fig. 3(c)

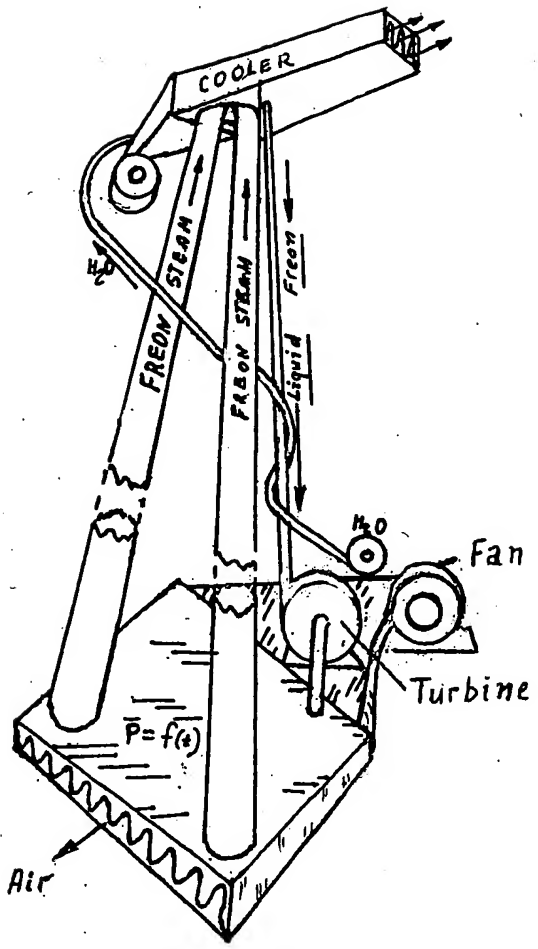


FIG.3(a) BEZENTROPIC TURBINE
(using heat to Potential Energy Conversion)

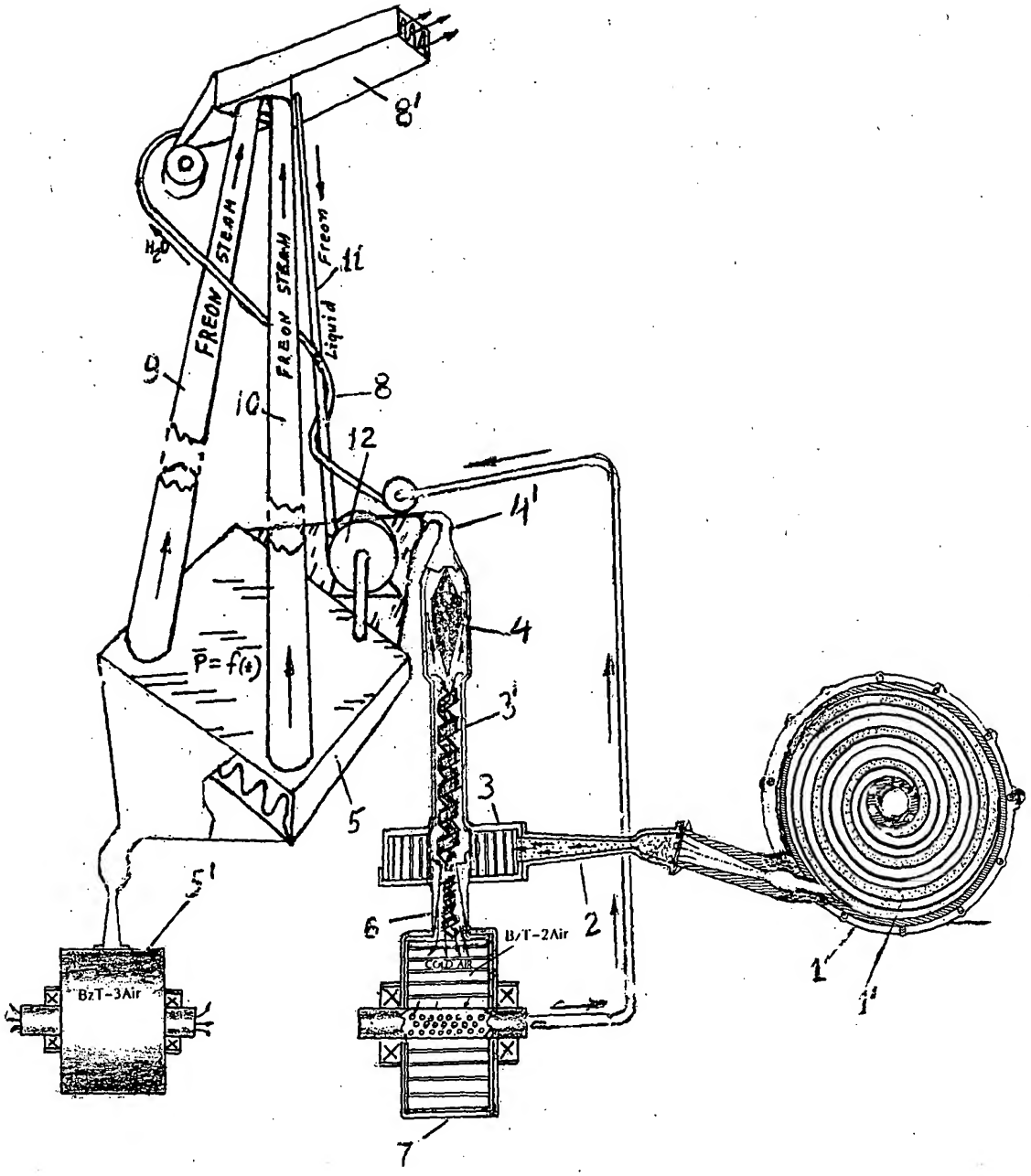

8'
FREON STEAM
FREON STEAM
Freon Liquid
11
9
10
8
12
4'
4
3'
3
5
5'
6
2
1
1'
7
$\bar{P}=f(t)$
BzT-3Air
B/T-2Air
Cold Air

Fig.3(b)

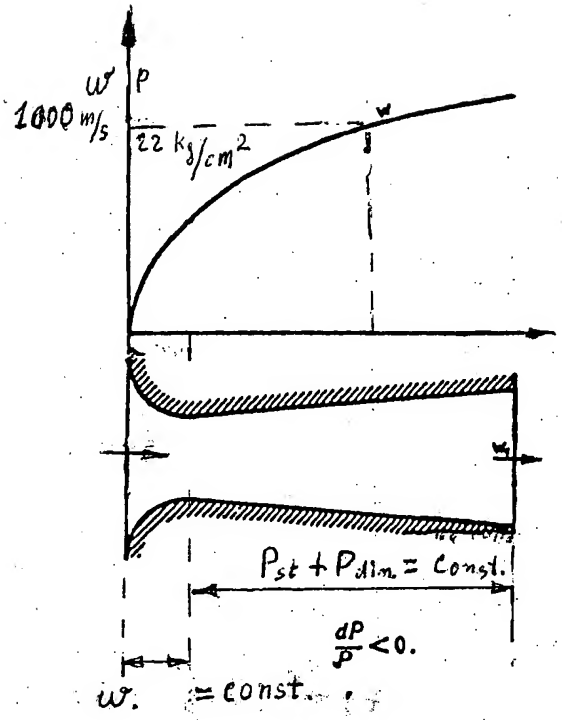


Fig. 4(a)

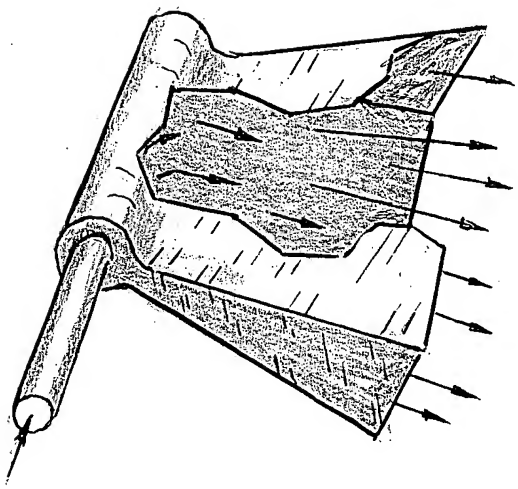


Fig. 4(b)

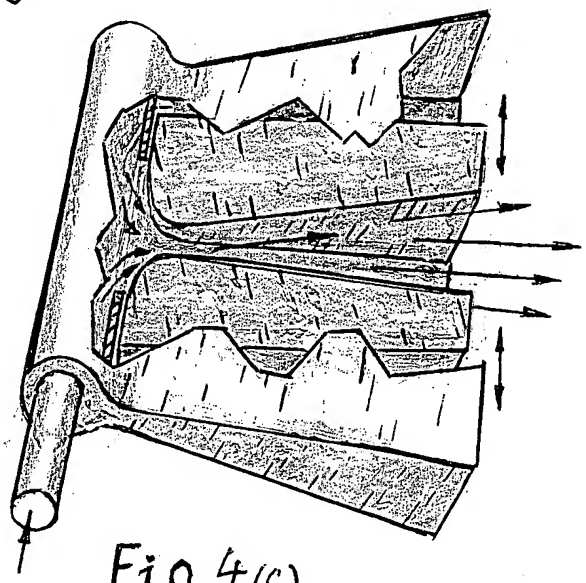


Fig. 4(c)

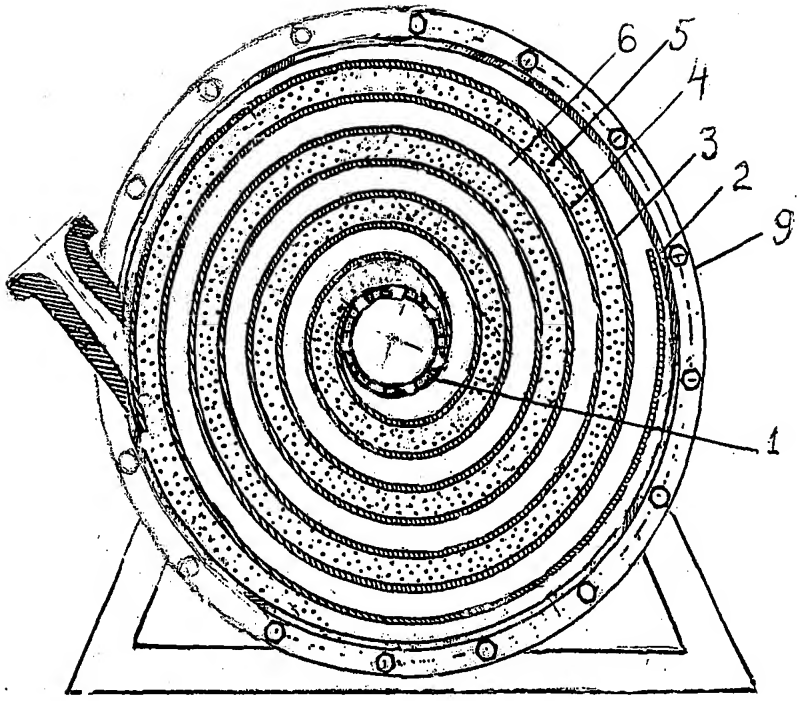
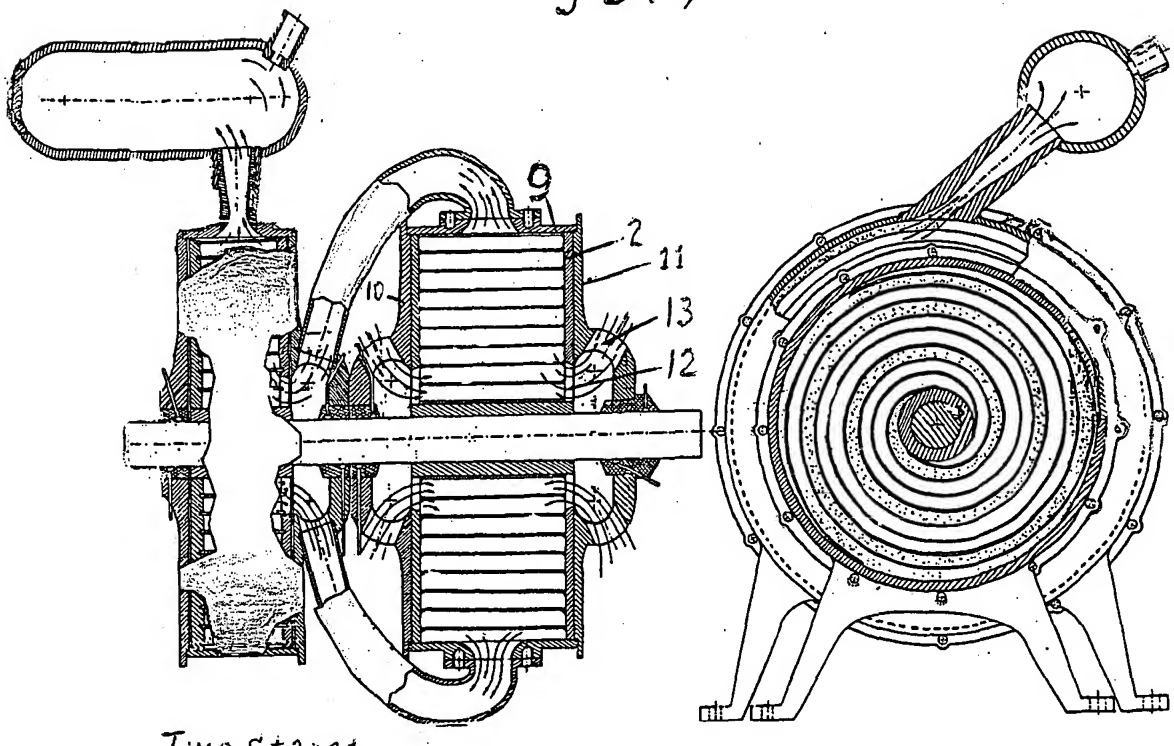


Fig. 5(a)



Two Stages

Fig. 5(b)

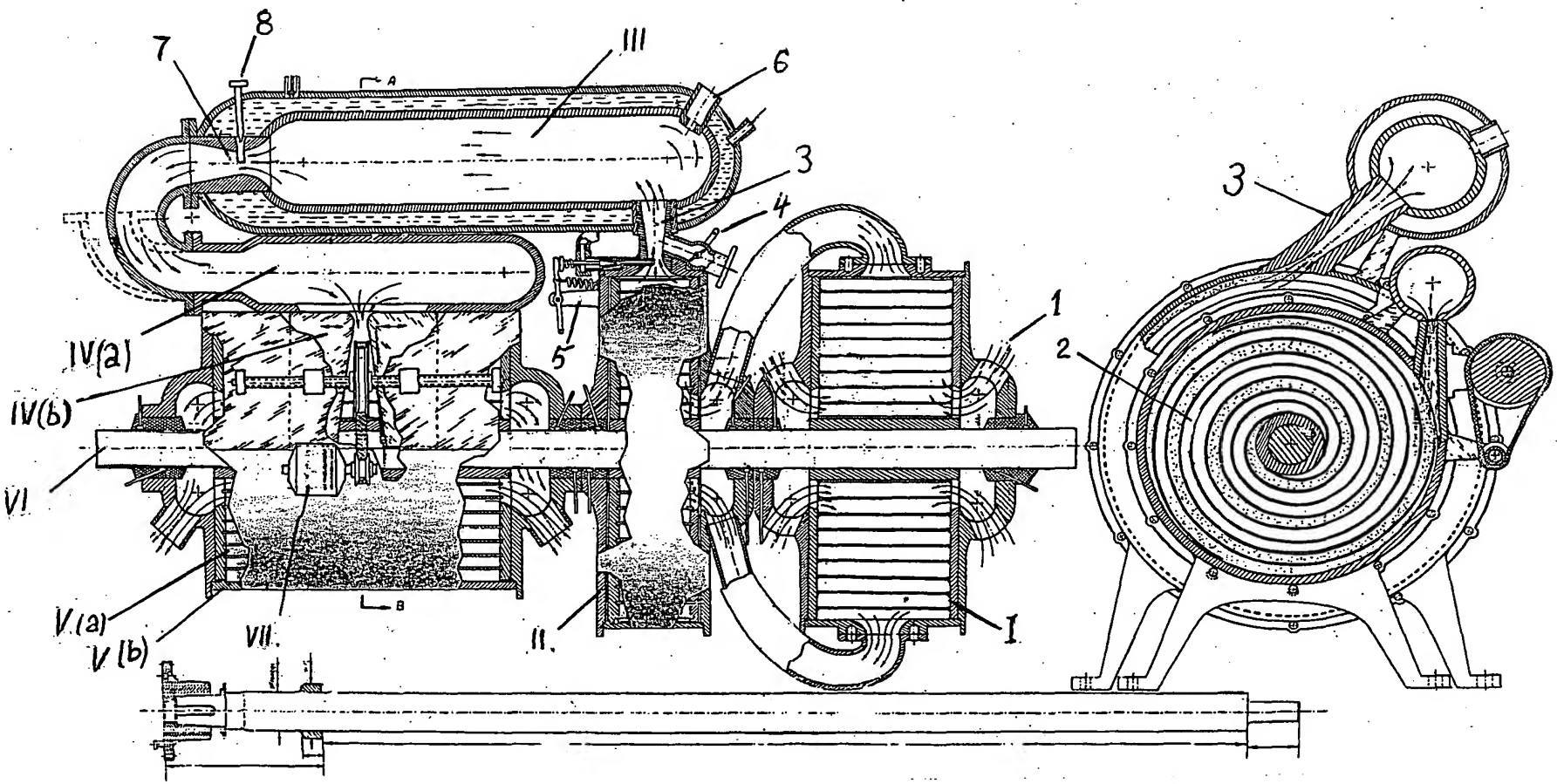


Fig. 6(a)

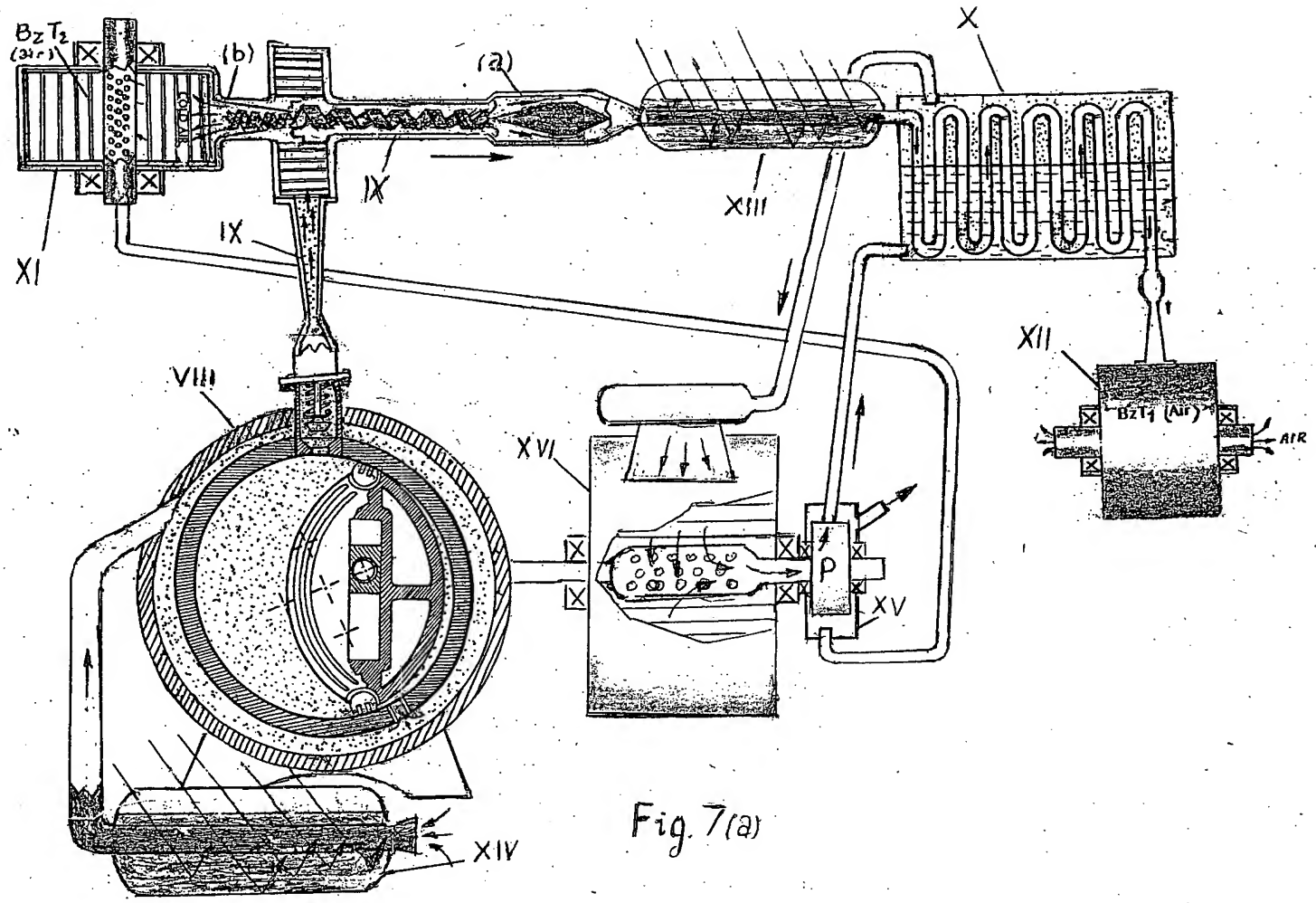

$Bz\,T_2$
(air)
(b)
(a)
X
IX
XIII
XI
IX
VIII
XII
$Bz\,T_1$ (Air)
AIR
XVI
IX
IX
P
XV
XIV

Fig. 7(a)

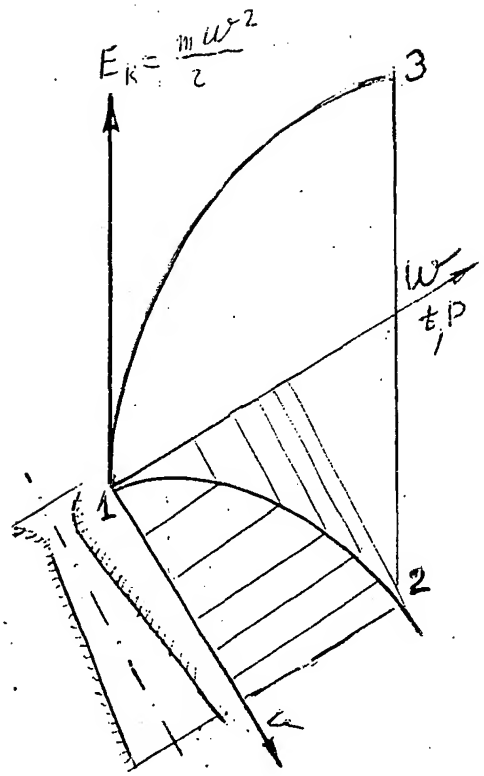


Fig. 6(b)

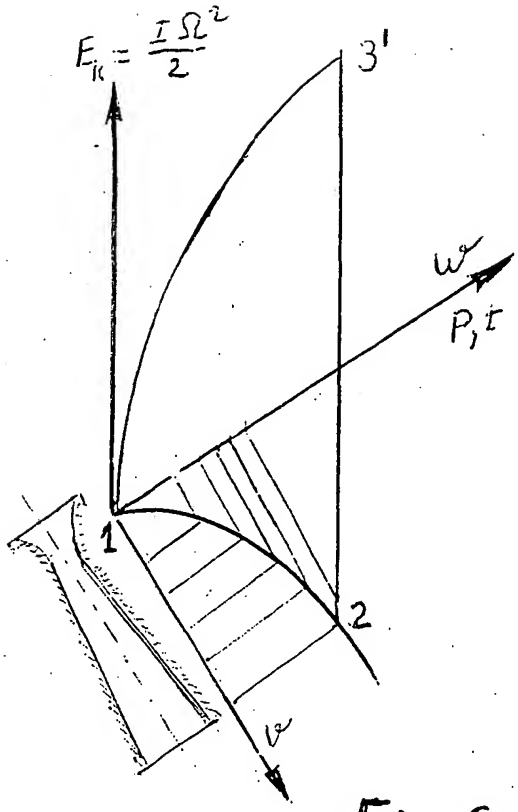


Fig. 6(c)

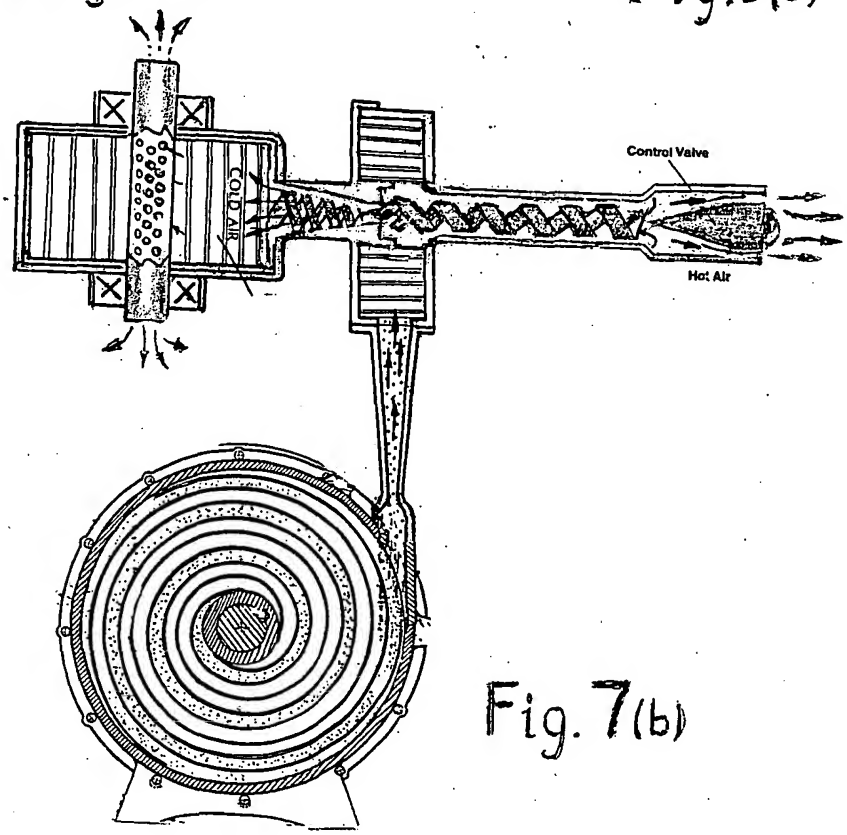


Fig. 7(b)

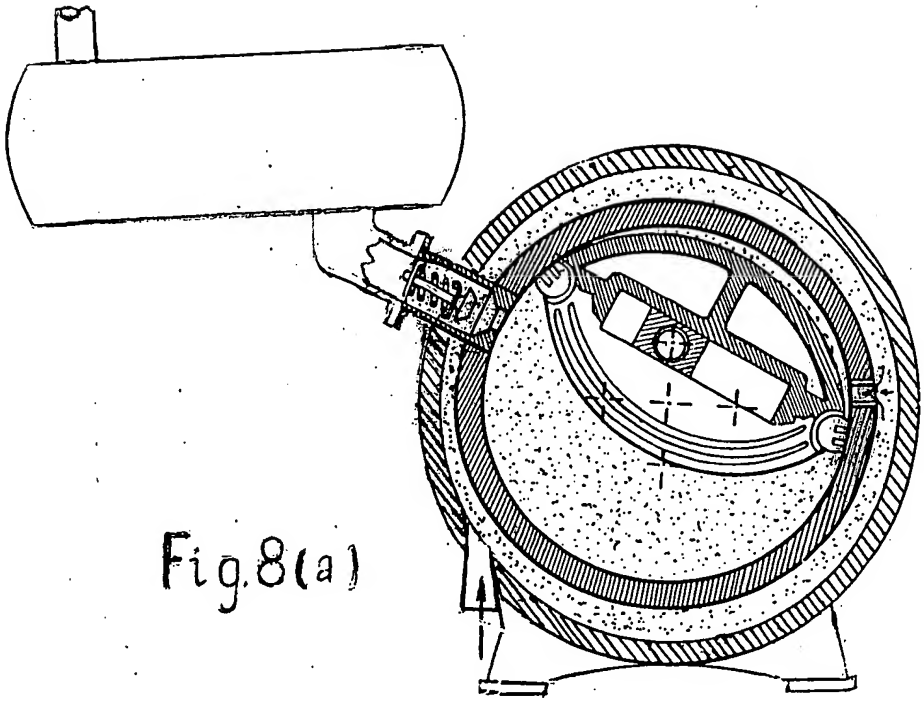


Fig.8(a)

$$\frac{X^2}{a^2} + \frac{y^2}{b^2} = 1 \qquad y = \pm b\left[1 - \frac{b^2}{a^2}\right]^{\frac{1}{2}}$$

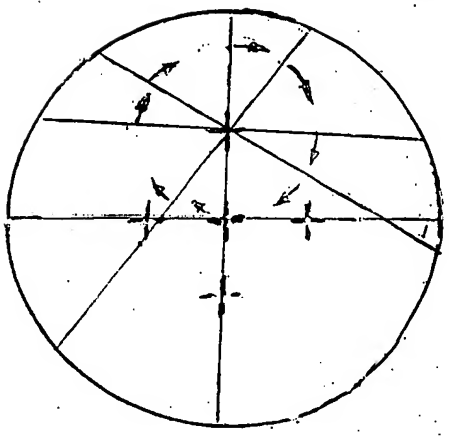
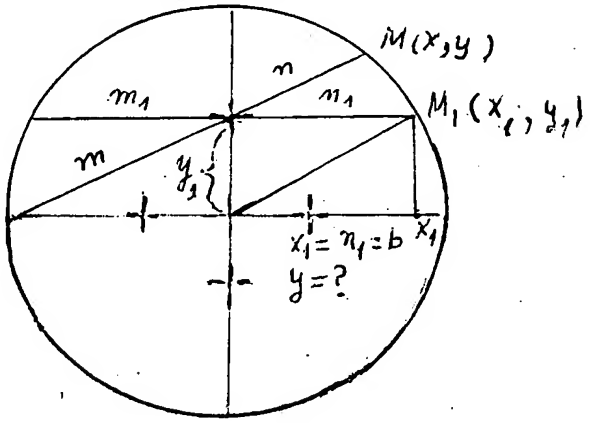
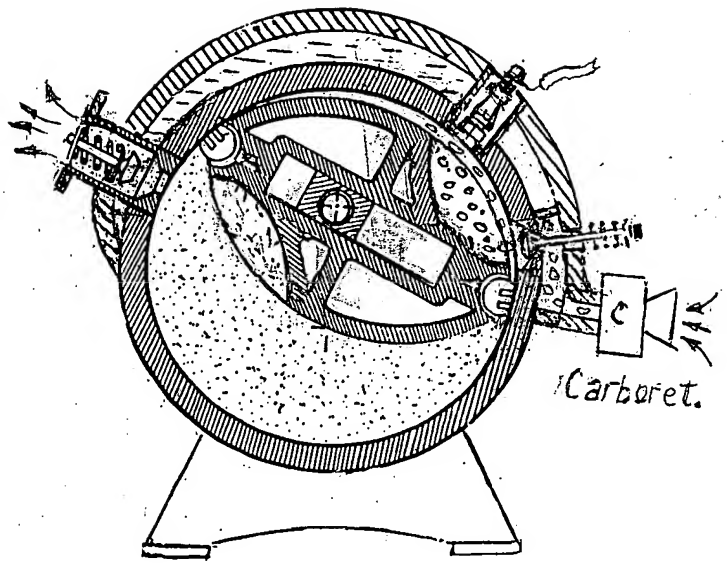


Fig.8(b)

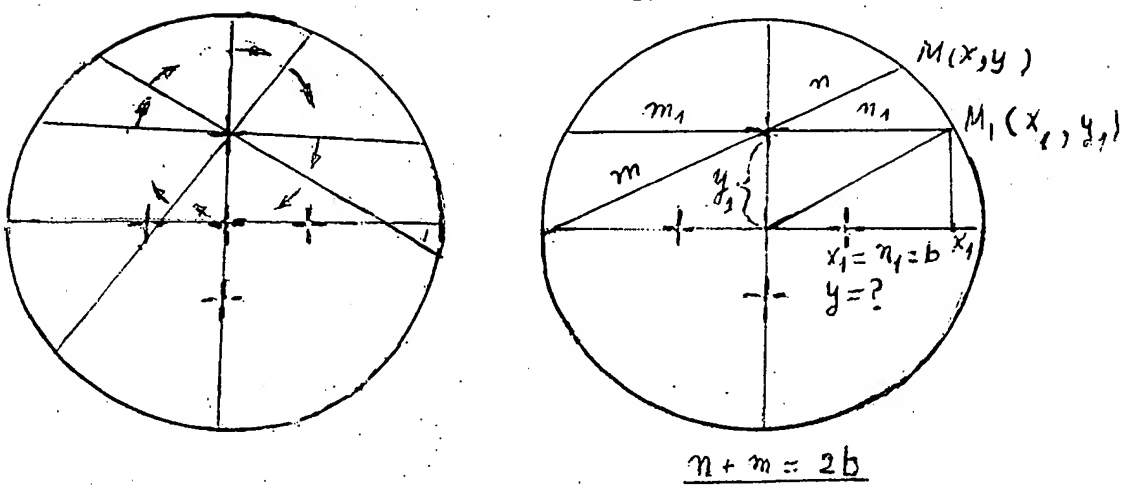


$n + m = 2b$

Fig.8.(c)



$$\frac{X^2}{a^2} + \frac{y^2}{b^2} = 1 \qquad y = \pm b\left[1 - \frac{b^2}{a^2}\right]^{\frac{1}{2}}$$



$$n + m = 2b$$

Fig.8(d)

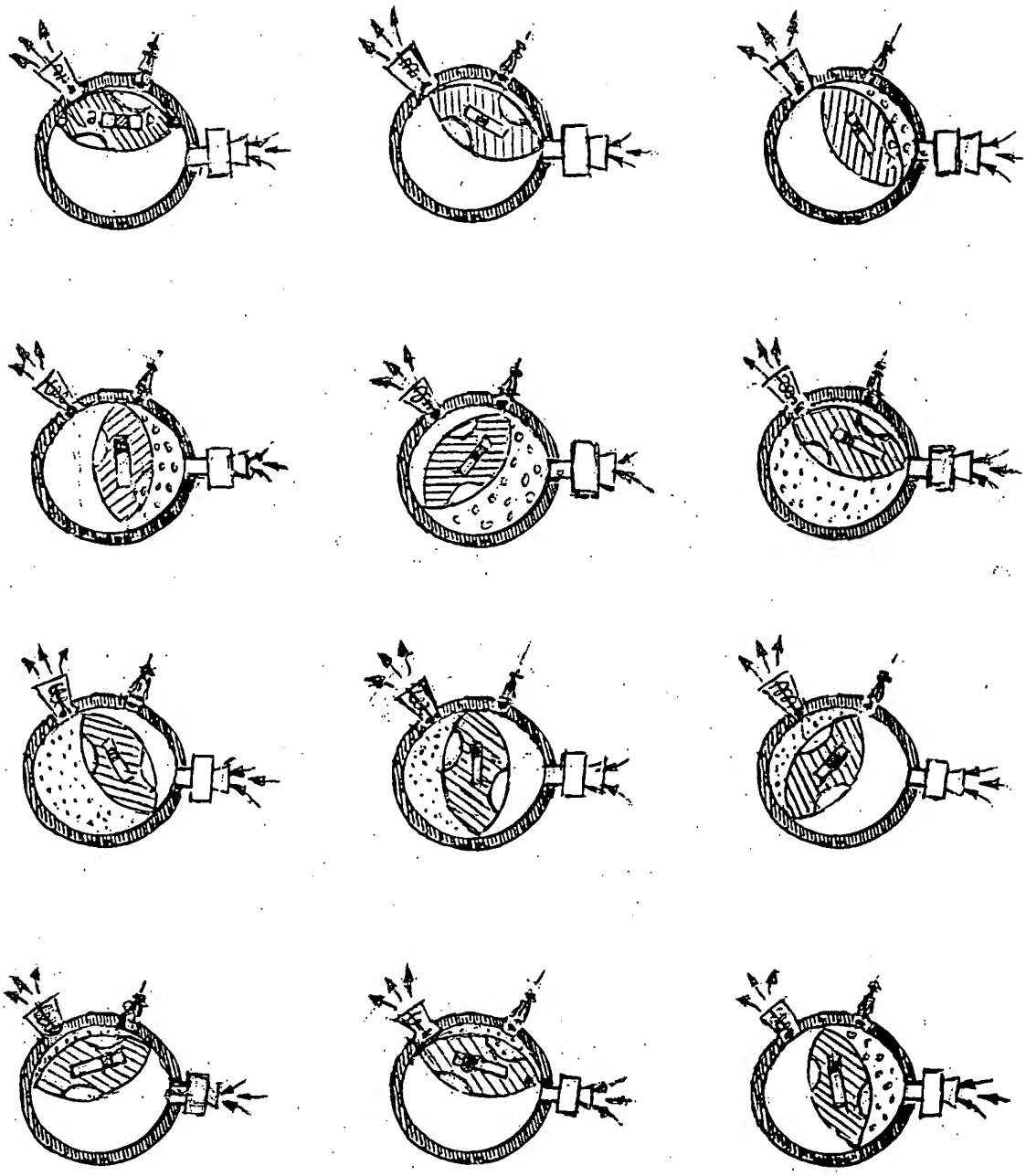
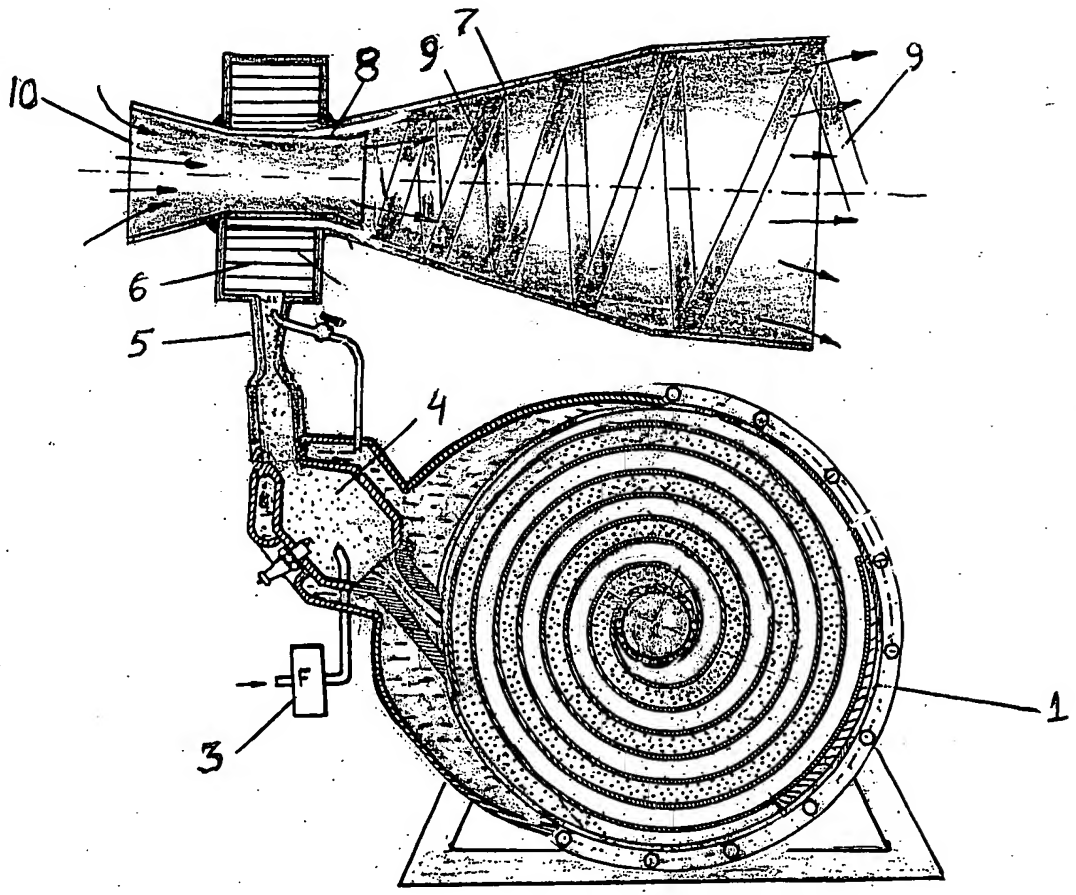


Fig. 8(e)



BEZENTROPIC VORTEX PROPULSION

Fig.9

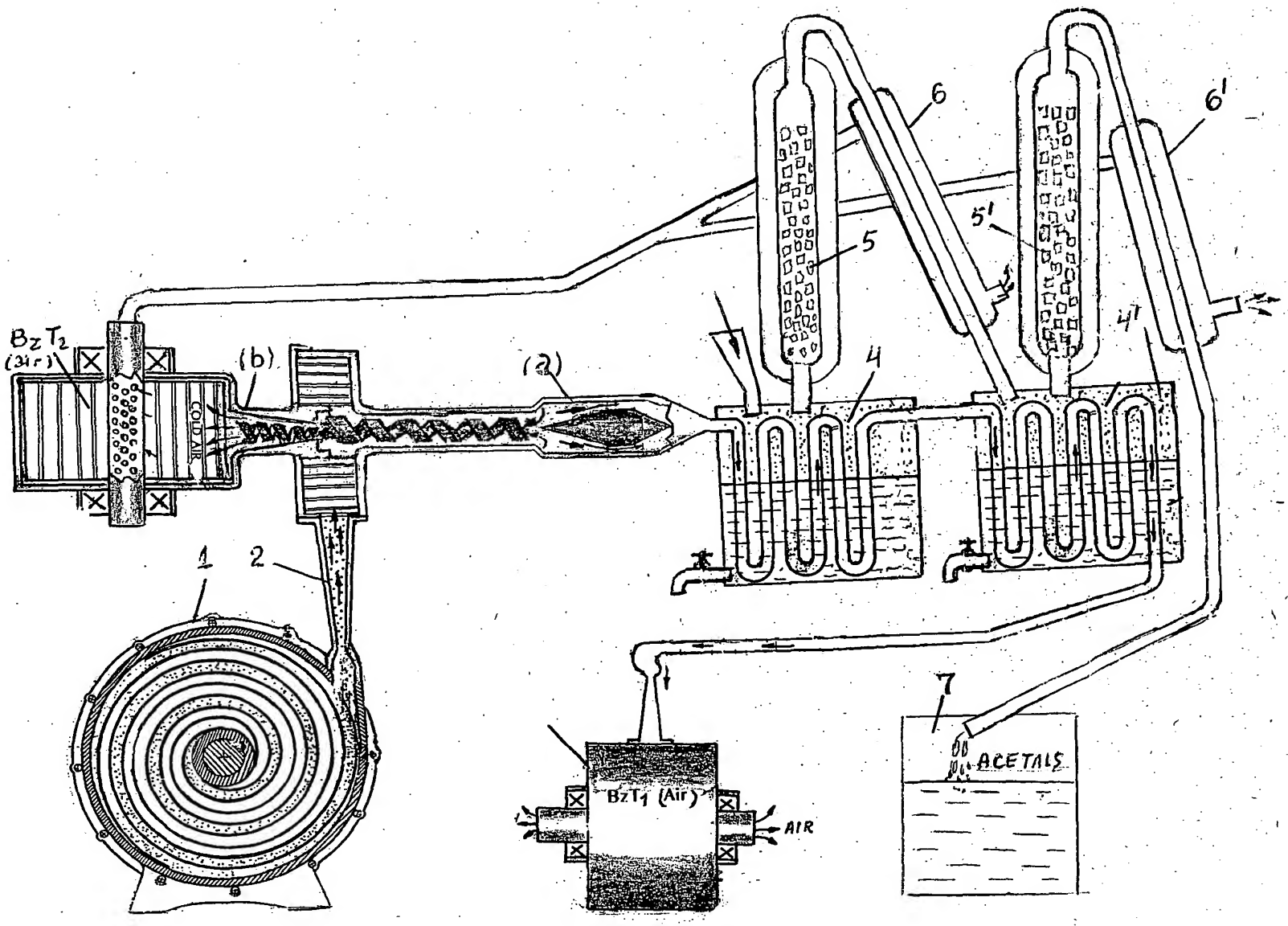


Fig. 10(a)

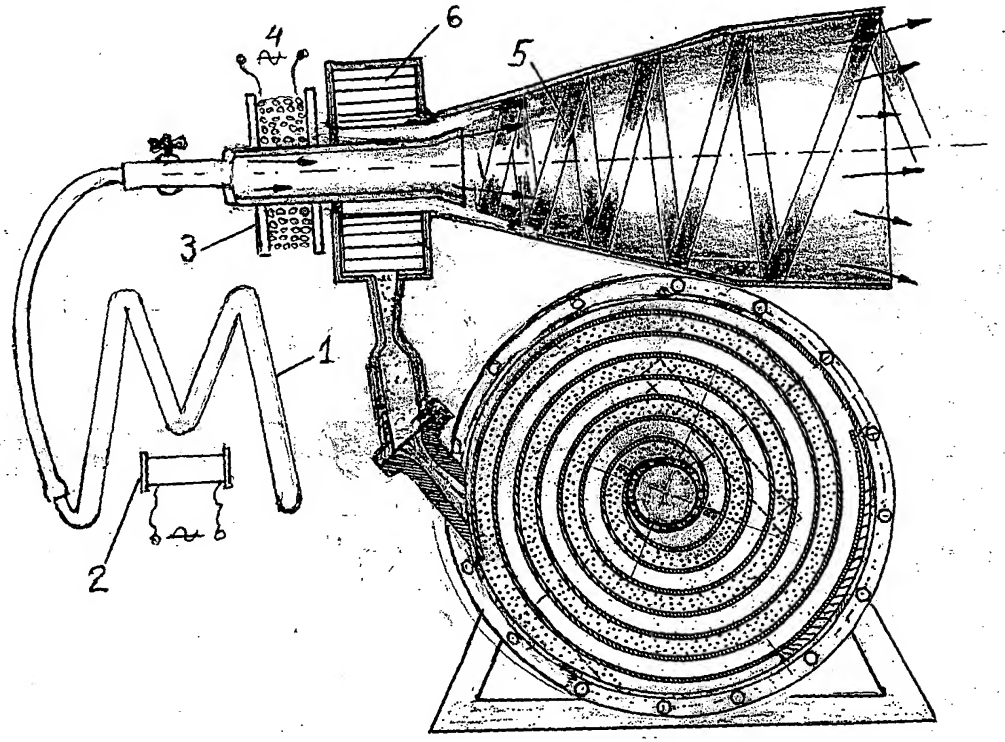


Fig. 10 (b)

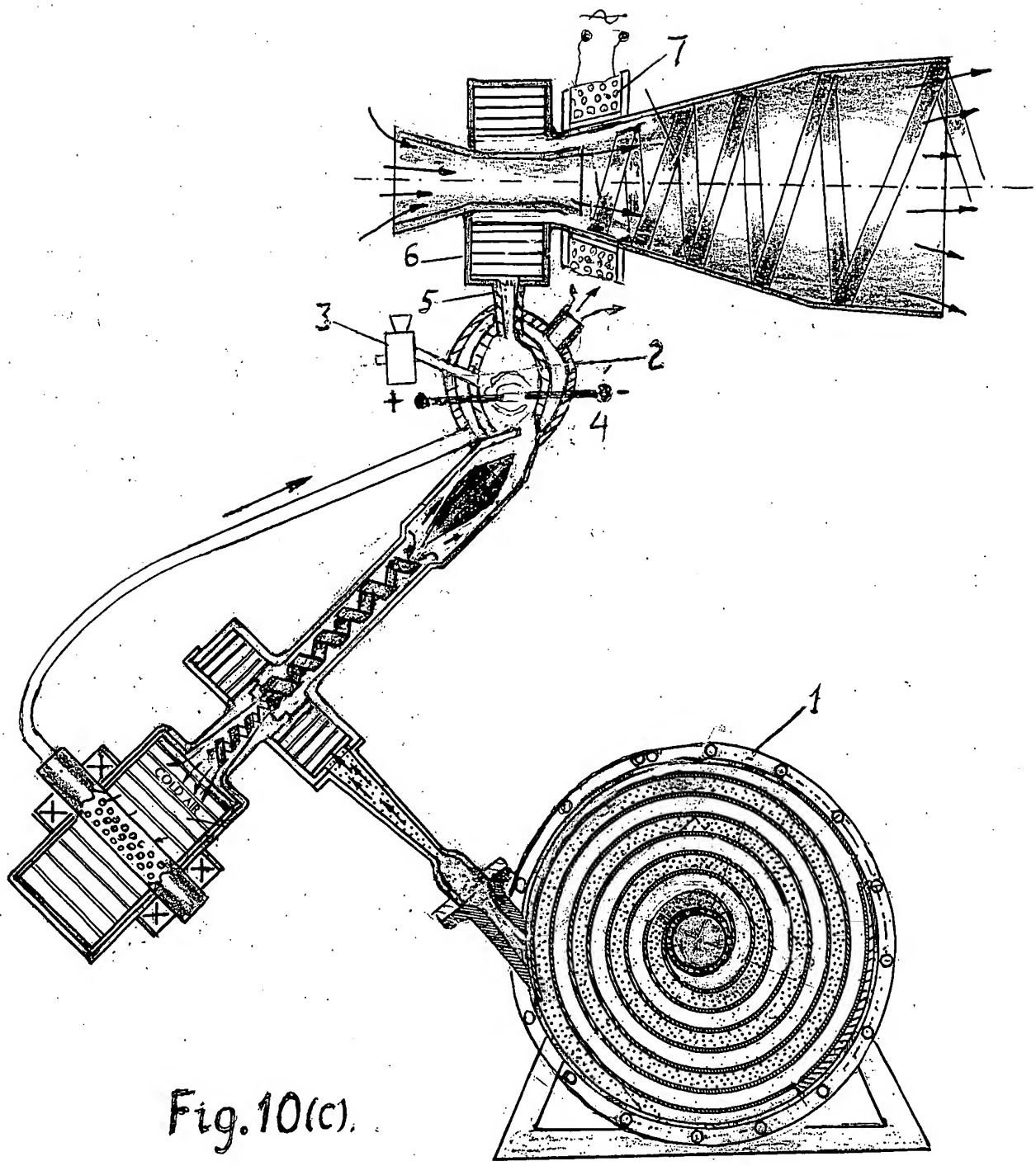


Fig. 10(c).

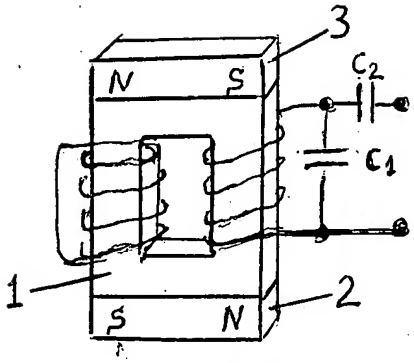


Fig.11

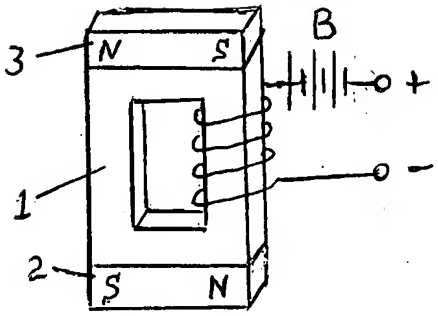


Fig.12

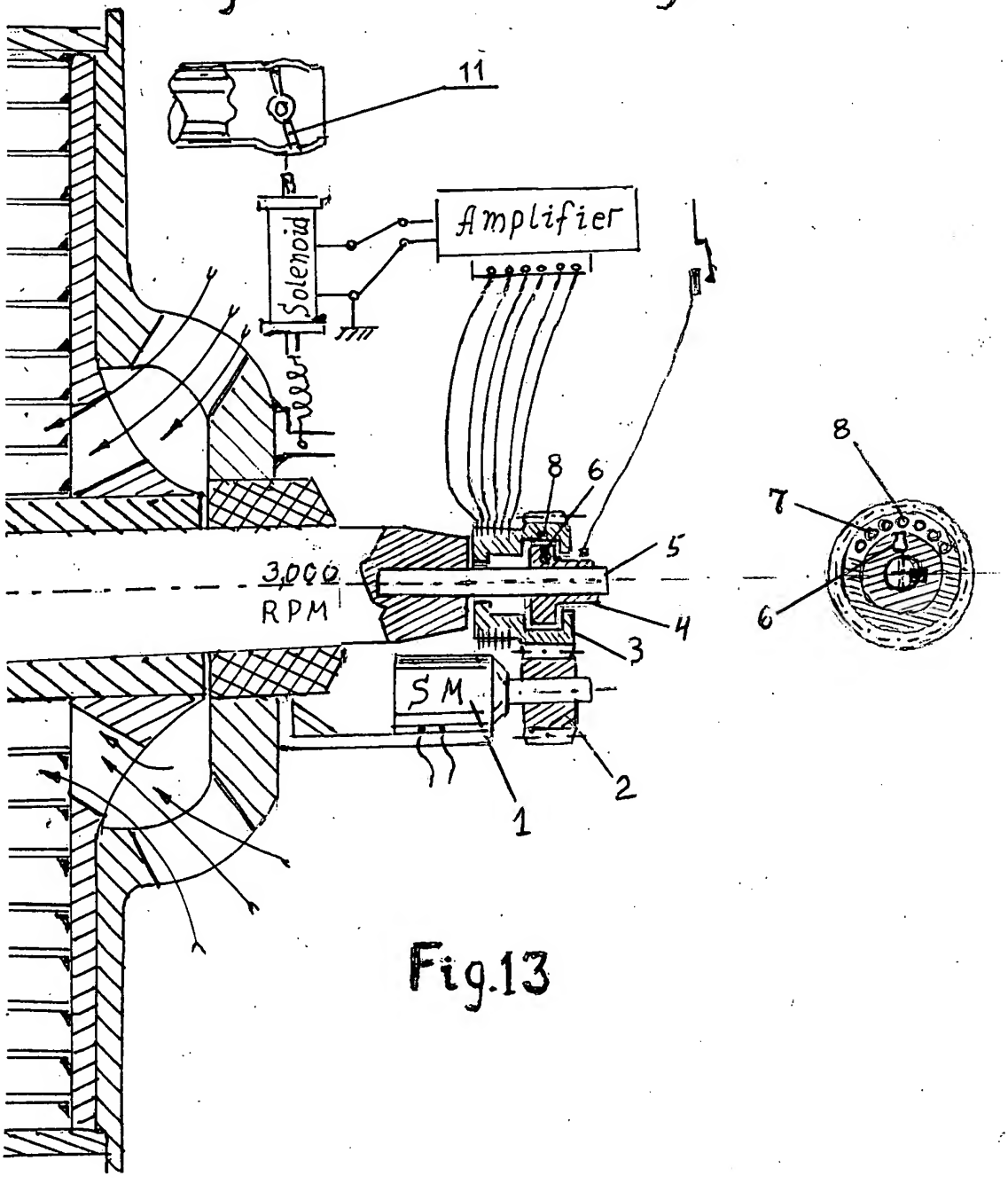


Fig.13